



**United States Environmental Protection Agency
Region 9 Laboratory**

**1337 S. 46th Street Building 201
Richmond, CA 94804**

**Subject: Analytical Testing Results - Project R07S28
SDG: 07121B**

**From: Brenda Bettencourt, Director
EPA Region 9 Laboratory
MTS-2**

**To: Chris Lichens
Site Cleanup Section 4
SFD-7-4**

Attached are the results from the analysis of samples from the **Omega Chemical OU2 Winter 2007 IDW Profiling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this

pH by 9000 series	Solids, Dry Weight
TPH - Extractable	TPH - Extractable
TPH - Purgeable	TPH - Purgeable



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Region 9 Laboratory

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Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Chris Lichens

Project Number: R07S28

Project: Omega Chemical OU2 Winter 2007 IDW
Profiling

Site Cleanup Section 4

**75 Hawthorne Street
San Francisco CA, 94105**

SDG: 07121B

Reported: 05/10/07 14:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
OC2-MW27IDW-S-0-520	0705002-02	Soil	04/30/07 13:45	05/01/07 09:00



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Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Soil - Sampled: 04/30/07 13:45								
Lab ID: 0705002-02								
Sample ID: OC2-MW27IDW-S-0-520	Purgeable Petroleum Hydrocarbons by EPA Method 8015B							
TPH as Gasoline	ND	J, Q4, U	3.8	mg/kg dry	B7E0007	05/01/07	05/02/07	8015B/SOP380
Surrogate: a,a,a-Trifluorotoluene	10100		81 %	70-130%	"	"	"	
Extractable Petroleum Hydrocarbons by EPA Method 8015B								
TPH as Diesel	ND	U	10	"	B7E0020	05/02/07	05/03/07	8015B/SOP385
TPH as Motor Oil	ND	U	42	"	"	"	"	8015B/SOP385
Surrogate: Hexacosane	9.72		93 %	70-130%	"	"	"	
Conventional Chemistry Parameters by APHA/EPA Methods								
pH	8.2		0.10	pH Units	B7E0017	05/01/07	05/01/07	9040B/9045C/SOP58:
% Solids	72		1	%	B7E0008	05/01/07	05/02/07	% calculation



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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Prepared: 05/01/07 Analyzed: 05/02/07

Batch B7E0007 - 5035 BTX/TPHG - TPH

Purgeable Petroleum Hydrocarbons by EPA Method 8015B - Quality Control

- Purgeable

Blank (B7E0007-BLK1)

TPH as Gasoline	ND	U	5.0	mg/kg wet						
Surrogate: a,a,a-Trifluorotoluene	12400			"	12500		99	70-130		

LCS (B7E0007-BS1)

TPH as Gasoline	74.3		5.0	mg/kg wet	80.0		93	70-130		
Surrogate: a,a,a-Trifluorotoluene	12900			"	12500		103	70-130		

Matrix Spike (B7E0007-MS1)

Source: 0705002-02

TPH as Gasoline	42.6	Q4	4.1	mg/kg dry	66.1	ND	64	70-130		
Surrogate: a,a,a-Trifluorotoluene	10300			"	12500		82	70-130		

Matrix Spike Dup (B7E0007-MSD1)

Source: 0705002-02

TPH as Gasoline	40.4	Q4	3.8	mg/kg dry	61.1	ND	66	70-130	3	25
Surrogate: a,a,a-Trifluorotoluene	10100			"	12500		81	70-130		

Prepared: 05/01/07 Analyzed: 05/02/07

Batch B7E0008 - Solids, Dry Weight

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

(Prep) - Solids, Dry Weight

Blank (B7E0008-BLK1)

% Solids	ND	U	1	%						
Duplicate (B7E0008-DUP1)										
% Solids	72		1	%		72			0	20

Prepared & Analyzed: 05/01/07

Batch B7E0017 - - General Inorganic -

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

pH by 9000 series

Duplicate (B7E0017-DUP1)

Source: 0705002-02

pH	8.10		0.10	pH Units		8.18			1	20
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Reference (B7E0017-SRM1)

pH	7.01			pH Units	7.00		100	98.6-101.4		
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Prepared: 05/02/07 Analyzed: 05/03/07

Batch B7E0020 - 3545 ASE/PFE - TPH -

Extractable Petroleum Hydrocarbons by EPA Method 8015B - Quality Control

Extractable

Blank (B7E0020-BLK1)

TPH as Diesel	ND	U	5.0	mg/kg wet						
TPH as Motor Oil	ND	U	20	"						
Surrogate: Hexacosane	4.57			"	5.00		91	70-130		

LCS (B7E0020-BS1)

TPH as Diesel	45.9		5.0	mg/kg wet	50.0		92	70-130		
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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Prepared: 05/02/07 Analyzed: 05/03/07

Batch B7E0020 - 3545 ASE/PFE - TPH -

Extractable Petroleum Hydrocarbons by EPA Method 8015B - Quality Control

Extractable

LCS (B7E0020-BS1)

Surrogate: Hexacosane	5.19			"	5.00		104	70-130		
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Matrix Spike (B7E0020-MS1)

TPH as Diesel	76.7		10	mg/kg dry	104	ND	74	70-130		
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Surrogate: Hexacosane	8.71			"	10.4		84	70-130		
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Matrix Spike Dup (B7E0020-MSD1)

TPH as Diesel	91.6		10	mg/kg dry	103	ND	89	70-130	18	25
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Surrogate: Hexacosane	9.86			"	10.3		95	70-130		
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Qualifiers and Comments

Q4 The matrix spike and/or matrix spike duplicate associated with this sample did not meet recovery criteria for this analyte (see MS/MSD results for this batch in QC summary)

J The reported result for this analyte should be considered an estimated value.

U Not Detected

NR Not Reported